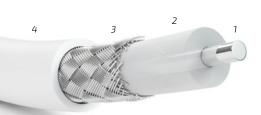
1 • Silver-plated copper clad-steel

3 • Silver plated copper braid 4 • Fluorinated polymer PFA

rigid core (CCSAg) 2 • Fluoropolymer dielectric

COAXTHERM®

W5BA5 - 50 50 Ohms



Colour code

• White jacket For any other request: please contact us

Applications

Data transmission in high temperature environment for aerospace and defence industries

Characteristics

• Thermal

Continuous operating temperature: -90°C to +260°C

• Chemical

Resistance to chemical environments: $\star\star\star\star\star$

Resistance to humidity: ★★★★

• Fire-smoke Flame retardant

CONSTRUCTION

	INNER CONDI	UCTOR	DIELECTRIC (2)	OUTER CONDUCTOR (3)	OUTER SHEATH (4)	
	Stranding (n x mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Approx. linear weight (kg / km)
	1 x 0.17	0.17	0.52	0.92	1.30	4.3

DATA TRANSMISSION CHARACTERISTICS

Impedance	50 Ω
Capacitance max	105 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	250 V

SIGNAL ATTENUATION

Frequency	Nominal attenuation
(MHz)	(dB / 100 m)
10	19
100	60
400	120
1,000	200
2,000	280
3,000	340

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FRANCE



The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company CGP SAS shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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